



WE CU VOLUNTEER

4-H Volunteer Conference

Save the Date for next year: Sept. 26-30, 2019



We had more than 200 adults from 17 states (Alaska to Florida) and 2 countries (US and Bahamas) attend the 2018 National 4-H Volunteer Conference hosted by the Volunteer Conference of Southern States. South Carolina had a delegation of 13 4-H volunteers and staff in attendance, including 2 volunteers on the planning committee and 6 workshop

presenters. After attending the conference, the Lowcountry 4-H Pathfinders club leader Dawn Griffin stated, **"I am so excited to share with my club all the wonderful things I learned...I learned so much more than just about science, the track that I was in. Especially about myself."** Check out our [pictures online](#) and like the [conference Facebook page!](#)

Upcoming Statewide Programs:



WHEP Educators Field Day
November 10, 2018
Learn more about Wildlife Habitat Education Program (for adults)

Register by Nov. 2nd



Card Art Contest
Ongoing
Showcase your "Holiday" and "Thank you" themed art! (for all age divisions)

Submit entries by Nov. 2nd

"In 4-H, we believe that every child has the potential to be a leader, and in order to fulfill that potential they need caring adult mentors, chances to develop practical skills, and opportunities to take on leadership roles. As America's largest youth development organization, we know this approach works and our results are second to none."

Jennifer Sirangelo

President & CEO National 4-H Council

Card Art Contest

Open to all 4-H youth enrolled in South Carolina for the 2018-2019 club year. We are accepting "Thank you" card and "Holiday" card themed artwork. Selected artwork will be chosen as the best representation of a 4-H theme: Artwork must include an aspect of 4-H with a winter scene or holiday theme for the Holiday Card or an aspect of 4-H with gratitude or thankfulness for the Thank You Card. Entries must be received by the State 4-H Office by the deadline.

Emailed to Dr. Ashley Burns at taberp@clemson.edu or mailed to 2057 Barre Hall, Clemson, SC 29634-0108.

Deadline: Friday, November 2, 2018

[Download Form](#)

Monthly 4-H Club Activity Idea

By Ashley Burns



Citizenship & Science

Objective: To introduce opportunities in citizen science and empower youth to make valuable scientific contributions

Age Range: All ages

Hands-on Activity: Practice observation skills and contribute to a citizen science project!

Life Skills: HEAD – learning to learn, service learning;
 HEART – cooperation, sharing;
 HANDS – responsible citizenship, contribution to group effort, community service volunteering;
 HEALTH – character.

Introduction

Youth make contributions and tackle real-world issues in 4-H! Especially in their local 4-H club, young people have a powerful voice and opportunity make an impact on our world. One way in which youth can do this is through citizen science! At its core, citizen science recruits non-professionals (individuals that are not trained scientists) to be trained with basic information, make observations, and report on those observations. Often, the reporting is done through an online portal. One example of a citizen science project, is reporting the migration of Monarch butterflies. The number of Monarchs has declined in recent years. One proposed route takes butterflies right through South Carolina in mid-October to Florida wintering grounds. Monarch caterpillars only eat milkweed and the adult butterfly will only lay her eggs on milkweed. Without milkweed along their entire migration route, Monarchs will continue to decline.



| Benefits of Citizen Science include: |
|--------------------------------------|
| • Science/STEM learning |
| • Civic engagement |
| • Youth inquiry |
| • Generating awareness/interest |
| • Utilizing technology |
| • Connection to the environment |



Monarch caterpillar (larva) eating a milkweed leaf.

Continued on page 3

Materials

Monarch identification sheet (page 4)
Pencil/paper
Camera (optional)
Device with internet access (optional)

Instructions

1. Review the identifying features of a Monarch butterfly (page 4) and where you could find butterflies (flying, flowers, puddles).
2. Go outside and have youth explore nature and see if they can find any butterflies. (If necessary, you can stage butterflies with paper printouts in the areas they would be in nature).
3. Document any sightings and report them on the [Journey North](http://JourneyNorth) citizen science website.

Reflective Questions

- What was most fun in this activity?
- Share one thing that you learned through this activity.
- What interests you that you might want to explore more?
- Could there be other citizen science projects that you can contribute to?

Additional Resources:

4-H Inspire Kids to Do Activity Guide. Page 1: Butterfly Parts and Marks. <https://4h.org/wp-content/uploads/2018/08/4H-30-Days-of-Doing-Butterfly-Activity.pdf>

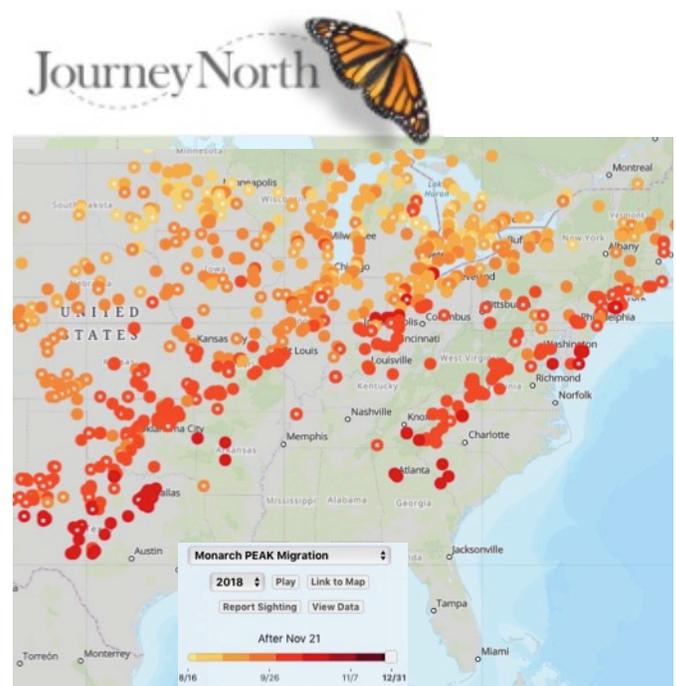
Journey North. Monarch Butterflies. Resources. <https://journeynorth.org/monarchs/resources>

The Xerces Society. Monarch Migration: Spring & Fall Map.

https://journeynorth.org/sites/default/files/2017-10/migration_map_xerces.jpg

Conclusion

Youth and adults can enrich the body of scientific knowledge by making and reporting observations. These contributions can lead to new understanding of the world around us and promote best practices and stewardship recommendations. Youth make real-world differences!!!



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Monarch Identification Sheet



Look for subtle differences in field marks of orange butterflies!
(arrows and descriptions added for help)

The adult Monarch butterfly has about a 3.5- to 4-inch wingspan.

Ventral view of Monarch

